

### Abstract

Internal combustion engine with at least one cylinder, in which a fuel/air mixture can be compressed in a cylinder by a piston, the temperature of the fuel/air mixture in the combustion chamber being able to be brought at least to over roughly 80% and up to at most roughly 98% of the spontaneous ignition temperature of the fuel/air mixture and the ignition of the combustion being time-controlled through the introduction of laser light into the combustion chamber.

(Fig. 1)